Diary Number:		Inspector Name:	
TRACS Number:		Date:	
Division V	/II: Traffic Control Facili	ities	
Title:	Temporary Barrier	rs, Attenuators or Sand Barrels	
Field Name	е		
Route:			
Stations:			
Offset			
Elevation:			
Traffic Cont	trol Coordinator		
Certified Tr	affic Control Supervisor:		
Type of Atte	enuator Used:		
NCHRP Re	eport or MASH Report (for Attent	uators):	

Attribute Numbers	Compliance	Narrative	Reference
0.		All stakeholders have participated in the pre-activity meeting (which can be combined with other pre-activity). Standard Specifications 701- 3.08 Page 705 Standard Specifications Sub-section 701-3.01 Page 698	Standard Specifications 2021 701-3.01
1.		The Contractor has provided to the Engineer, the name of their employee, who is responsible for implementing, monitoring, and altering, as necessary, the traffic control plan (Traffic Control Coordinator). Standard Specifications Sub-section 701-3.01 Page 698	Standard Specifications 2021 701-1
2.		The Contractor has provided ADOT with the name of the employee, or licensed Professional Engineer registered in the State of Arizona that has completed the ATSSA or the IMSA Traffic Control Supervisor "Certification" (Certification needs to be valid throughout the duration of the project). Special Provisions 108.03 (108PRCN, 5/3/16) Standard Specifications 701-1(A) and 701-1(B) Page 693 Manual on Uniform Traffic Control Devices 6C.01 Line 03 Page 551	Standard Specifications 2021 701-1

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3.	The Contractor has supplied the ADOT field office with a letter certifying that the traffic control devices meet NCHRP Report 350 criteria or M.A.S.H. (Manual for Assessing Safety Hardware) requirements. NCHRP Report 350 Traffic Control Design Guideline Page 5 Manual for Assessing Safety Hardware (M.A.S.H.) Standard Specifications 2021 Sub-Section 701- 2.01 (B) (1) Page 694	Standard Specifications 2021 701- 2.01 (B)(1)
4.	The Contractor has provided a Certificate of Compliance letter, certifying that the Temporary Concrete Barrier (TCB) used on the project conforms to Signing and Marking Standard Drawing C-3 (Provided by the Contractor at the Pre-construction Conference). Standard Specifications Subsection 701-2.03 Page 696 Standard Specifications Section 106.05 Page 89 Signing and Marking Standard Drawings C-3 https://azdot.gov/node/5286	Standard Specifications 2021 701-2.03
5.	For Steel Temporary Barrier (TSB) , When used, they shall be in accordance with the manufacturer's recommendations. {TSB but have much higher dynamic deflections when not pinned.} ADOT Temporary Traffic Control Design Guidelines Page 8	Temporary Traffic Control Design Guidelines
6.	When Temporary Concrete Barrier or Steel Temporary Barrier needs to be pinned to the Bridge Deck, the Contractor has submitted a drawing on how it will be pinned for approval. Standard Specifications 701- 2.03 Page 696 Signing and Marking Standard Drawings C-3 https://azdot.gov/node/5286	Standard Specifications 2021 701-2.03
7.	Pre-filled barrels delivered to the project, have been inspected by the Department in advance and have a Department-furnished unique identifier that is permanently affixed to the barrel corresponding to a production lot(s). Pre-filled barrels not having a Department-furnished unique identifier will not be accepted. Standard Specifications 701-2.04 Page 696 Standard Specifications 702-2.04 Page 722	Standard Specifications 2021 701-2.04
8.	There is a letter certifying that the correct amount of sand is in each barrel, the sand has a dry unit weight of 90 to 110 Lbs. per cubic foot, sand contains less than 2% moisture by weight, and the sand meets the required gradation (no rocks or debris). <u>Standard Specifications</u> 701-2.04 Page 696 <u>Standard Specifications</u> Section 106.05 Page 89 <u>Standard Specifications</u> 702-2.03 Page 723	Standard Specifications 2021 701-2.04
9.	For Elevation above 3,000 feet, the sand has Five percent rock salt (by weight) mixed with sand (documentation on file). Standard Specifications 701-2.04 Page 696 Standard Specifications Subsection 702-2.03 Page 722	Standard Specifications 2021 701-2.04
10.	Certifications contain the Name and Model of the tested traffic control devices, detailed drawings/product literature, and test conditions the devices passed. Standard Specifications Sub-section 701-2.01 (B) (1) Page 694	Standard Specifications 2021 701-2.01 (B)(1)

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11.	The Approved Traffic Control Plan (TCP) has the Temporary Concrete Barrier, Temporary Attenuator, and or Glare Screen noted on it. Traffic Control Plan Sheets Standard Specifications 2021 Sub-Section 701- 2.01 (B) (1) Page 694	Standard Specifications 2021 701- 2.01 (B) (1
12.	Temporary Concrete Barriers are fastened as shown on "Standard Drawings C-3" to form a smooth, uniform appearance (no kinks in alignment). Signing and Marking Standard Drawings C-3 https://azdot.gov/node/5286	Signing and Marking Standard Drawings C-3
13.	Temporary Concrete Barriers Galvanize Pin meets either Connector Pin details of 2-feet 5-inches plus or minus 1/8-inch from tip to the washer, and the shaft is 1-inch. Signing and Marking Standard Drawings C-3 Pin Note 2 and Note 3 https://azdot.gov/node/5286	Signing and Marking Standard Drawings C-3
14.	The Temporary Concrete Barrier is in good condition and has no large spalls or exposed rebar. None on the Public Traffic side. Quality Guidelines for Temporary Traffic Control Devices https://adotnet.az.gov/content/quality-guidelines-temporary-traffic-control-devices	Quality Guidelines for Temporary Traffic Control Devices
15.	Temporary Concrete Barrier ends are flared outside of the clear zone (if Sand Barrels or Water Fill Attenuator are used, mark it as "N/A"), ADOT Temporary Traffic Control Design Guidelines Page 7 Signing and Marking Standard Drawings C-4 https://azdot.gov/node/5286	ADOT Temporary Traffic Control Design Guidelines
16.	The Temporary Concrete Barrier , for setup off the roadway, earthen material, or aggregate base shall be placed at a 10:1 or flatter slope under the TCB and between the TCB and the roadway. ADOT Temporary Traffic Control Design Guidelines Page 7	Temporary Traffic Control Design Guidelines
17.	The Temporary Concrete Barrier , the flare rate should be no steeper than 8:1. Flare rates between 8:1 and 20:1 are shown in Table 5-9 of the AASHTO Roadside Design Guide. {Existing speed limits are a consideration in the design of TCB flare rates.} ADOT Temporary Traffic Control Design Guidelines Page 7 Signing and Marking Standard Drawings C-4 https://azdot.gov/node/5286	Temporary Traffic Control Design Guidelines
18.	The Temporary Concrete Barrier has a minimum of 2 feet of lateral clear space between the work zone side of the TCB and the work area/drop off or the hazard that is being shielded. <u>ADOT Temporary Traffic Control Design Guidelines</u> Page 7	Temporary Traffic Control Design Guidelines

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19.	When Temporary Concrete Barrier does not have a minimum 2-foot lateral movement (deflections) between the edged of the TCB to the drop-off, it is pinned to the Roadway or Bridge Deck. <u>Signing and Marking Standard Drawings</u> C-3 https://azdot.gov/node/5286	Signing and Marking Standard Drawings C-3
20.	Barrier Markers are installed on the barrier and spaced at a maximum of 20 feet with the correct color to match roadway striping (on curves the spacing is closer) and a height of 26 inches or on Top. Signing and Marking Standard Drawings C3 Signing and Marking Standard Drawings M-33 Note 8 Signing and Marking Standard Drawings M-32 https://azdot.gov/node/5286 ADOT Temporary Traffic Control Design Guidelines Page 7	Signing and Marking Standard Drawings C-3
21.	When required, a Temporary Glare Screen is installed per the Manufacturer's Recommendations. {Expanded mesh Glare screens are no longer used.} ADOT Temporary Traffic Control Design Guidelines Page 7	Project Plan Sheets
22.	Sand Barrel Crash cushions are placed on level pads per plan. Standard Specifications Sub-section 702-3 Page 724 Signing and Marking Standard Drawings C-1 Note 2 ADOT Temporary Traffic Control Design Guidelines Page 10	Standard Specifications 2021 702-3
23.	The Sand Barrel crash cushion Placement, Angles, and Spacing is in accordance with the Manufacturer's Recommendations (at the originally posted speed or before any drop of speeds). Signing and Marking Standard Drawings C-1 Note 5 https://azdot.gov/node/5286 Standard Specifications Sub-section 702-3 Page 724	Standard Specifications 2021 702-3
24.	The Sand Barrel crash cushion has a four-inch-wide yellow reflective sheeting chevron on the lead barrel(s) per Standard Drawing M-35. {Design "A" or "B" or "C" or "D"} Signing and Marking Standard Drawings M-35 https://azdot.gov/node/5286	Signing and Marking Standard Drawings M-35
25.	The Sand Barrel crash cushions are not damaged and have lids on them. Standard Specifications Sub-section 701-3 04 Page 701	Standard Specifications 2021 702-3
26.	The Sand Barrel crash cushion barrels that are Damaged are Replaced within 36 hours. <u>Standard Specifications</u> Subsection 701-3.04 Page 701	Standard Specifications 2021 701-3.04
27.	The correct numbers of Water Filled Attenuators are placed per the Manufacturer's Recommendations (at the originally posted speed or before any drop of speeds). Standard Specifications Subsection 701-3.04 Page 701	Standard Specifications 2021 701-3.04

	Temporary Barriers, Attenuators of Sand Barrer 20220	000
28.	The Water Filled Attenuators are placed on level pads per plan. ADOT Temporary Traffic Control Design Guidelines Page 10	ADOT Temporary Traffic Control Design Guidelines
29.	For Water Filled Attenuators has the correct amount of water is being used per the Manufacturer's Recommendations. N.C.H.R.P. 350 Report or M.A.S.H .Report	Manufacturer's Recommendations
30.	For Water Filled Attenuators , has a four-inch-wide yellow reflective sheeting chevron on the lead barrel\unit per Standard Drawing M-35. {Design "A" or "B" or "C"} <u>Signing and Marking Standard Drawings</u> M-35	Signing and Marking Standard Drawings M-35
31.	For Water Filled Attenuators used during freezing weather, the water is treated per the manufacturer's recommendations. Manufacturer's Recommendations	Manufacturer's Recommendations
32.	For all other MASH or NCHRP Attenuators, they were installed per the manufacturer's recommendations. N.C.H.R.P. 350 Report or M.A.S.H .Report Manufacturer's Recommendations	Manufacturer's Recommendations
33.	Temporary Concrete Barriers and Barrier Attenuators are placed per the approved plan. Standard Specifications Subsection 702-3 Page 724	Standard Specifications 2021 702-3
34.	If Vertical panels, Ultra Panels, or Type II devices are specified in front of barrel arrays or other in-place attenuation devices, lights are in working order and visible from a distance of 3,000 feet. Manual on Uniform Traffic Control Devices 6F.83 Line 10 Page 615 Standard Specifications Section 107.09 Page 102 Project Plan Sheets or Approved Traffic Control Plan	Project Plan Detail Sheets
35.	Quantlist Minimum Frequency is being followed, one per week. https://azdot.gov/node/5338	Construction Bulletin 07-01